CLAIMS

1. A solid electrolyte represented by a general formula:

$Li_xMO_yN_z$,

where M is at least one element selected from the group consisting of Si, B, Ge, Al, C, Ga and S, and x, y and z respectively satisfy x = 0.6 to 5.0, y = 1.05 to 3.985, and z = 0.01 to 0.50.

2. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 0.6 to 1.0, y = 1.050 to 1.985 and z = 0.01 to 0.50.

3. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 1.6 to 2.0, y = 2.050 to 2.985 and z = 0.01 to 0.50.

4. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 1.6 to 2.0, y = 3.050 to 3.985 and z = 0.01 to 0.50.

5. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 2.6 to 3.0, y = 2.050 to 2.985 and z = 0.01 to 0.50.

6. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 3.6 to 4.0, y = 3.050 to 3.985 and z = 0.01 to 0.50.

7. The solid electrolyte in accordance with claim 1, wherein said formula satisfies x = 4.6 to 5.0, y = 3.050 to

3.985 and z = 0.01 to 0.50.

    8. An all solid state battery comprising: a positive electrode; a negative electrode; and the solid electrolyte in accordance with claim 1 disposed between said positive electrode and said negative electrode.